10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

UBE2G2 Antibody (N-term)
Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP2123a

Specification

UBE2G2 Antibody (N-term) - Product Information

Application	**WB,E**
Primary Accession	P60604
Other Accession	P60605, Q17QG5, NP_003334
Reactivity	**Human**
Predicted	**Bovine, Mouse**
Host	**Rabbit**
Clonality	**Polyclonal**
Isotype	**Rabbit IgG**
Antigen Region	**17-47**

UBE2G2 Antibody (N-term) - Additional Information

Gene ID 7327

Other Names
Ubiquitin-conjugating enzyme E2 G2, Ubiquitin carrier protein G2, Ubiquitin-protein ligase G2, UBE2G2

Target/Specificity
This UBE2G2 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 17-47 amino acids from the N-terminal region of human UBE2G2.

Dilution
WB~~1:1000

Format
Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is prepared by Saturated Ammonium Sulfate (SAS) precipitation followed by dialysis against PBS.

Storage
Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

Precautions
UBE2G2 Antibody (N-term) is for research use only and not for use in diagnostic or therapeutic procedures.

UBE2G2 Antibody (N-term) - Protein Information

Name UBE2G2 (HGNC:12483)

Function Accepts ubiquitin from the E1 complex and catalyzes its covalent attachment to other

proteins (PubMed:20061386). In vitro catalyzes 'Lys-48'-linked polyubiquitination (PubMed:20061386). Involved in endoplasmic reticulum-associated degradation (ERAD) (PubMed:22607976). Required for sterol-induced ubiquitination of 3- hydroxy-3-methylglutaryl coenzyme A reductase and its subsequent proteasomal degradation (PubMed:23223569).

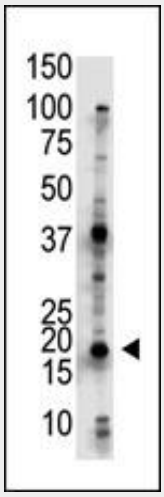
Cellular Location
Endoplasmic reticulum. Lipid droplet

UBE2G2 Antibody (N-term) - Protocols

Provided below are standard protocols that you may find useful for product applications.

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

UBE2G2 Antibody (N-term) - Images



The anti-UBE2G2 Pab (Cat. #AP2123a) is used in Western blot to detect UBE2G2 in Jurkat cell lysate.

UBE2G2 Antibody (N-term) - Background

The modification of proteins with ubiquitin is an important cellular mechanism for targeting abnormal or short-lived proteins for degradation. Ubiquitination involves at least three classes of enzymes: ubiquitin-activating enzymes, or E1s, ubiquitin-conjugating enzymes, or E2s, and ubiquitin-protein ligases, or E3s. UBE2G2 is a member of the E2 ubiquitin-conjugating enzyme family. The encoded protein shares 100% sequence identity with the mouse counterpart. This gene is ubiquitously expressed, with high expression seen in adult muscle.

UBE2G2 Antibody (N-term) - References

Webster, J.M., et al., J. Biol. Chem. 278(40):38238-38246 (2003).
Katsanis, N., et al., Genomics 51(1):128-131 (1998).

Rose, S.A., et al., Cytogenet. Cell Genet. 83 (1-2), 98-99 (1998).